



**B.E ELECTRICAL AND ELECTRONICS ENGINEERING
(FOUR YEAR FULL TIME)
REGULATION 2008**

SEMESTER I

Code No.	Course Title	L	T	P	C
THEORY					
XEE101	Technical English	3	1	0	4
XEE102	Mathematics- I	3	1	0	4
XEE103	Applied Physics	3	1	0	4
XEE104	Computer Programming	4	0	0	4
XEE105	Engineering Graphics	1	0	3	4
XEE106	Engineering Mechanics	3	0	0	3
PRACTICAL					
XEE107	Applied Physics Lab	0	0	3	2
XEE108	Computer Programming Lab	0	0	3	2
XEE109	Basic Workshop Practice	0	0	3	2

Total Hours: 32

Total Credits: 29

SEMESTER II

Code No.	Course Title	L	T	P	C
THEORY					
XEE201	Mathematics – II	3	1	0	4
XEE202	Data Structures and Algorithms	3	1	0	3
XEE203	Applied Chemistry	3	1	0	4
XEE204	Electric Circuit Analysis	3	1	0	4
XEE205	Electronic Devices	3	0	0	3
XEE206	Mechanics of Fluids and Solids	3	1	0	3
PRACTICAL					
XEE207	Applied Chemistry Lab	0	0	3	2
XEE208	Communication Skills Enhancement	2	0	2	2
XEE209	Electric Circuits Lab	0	0	3	2

Total Hours: 33

Total Credits: 27

SEMESTER III

Code No.	Course Title	L	T	P	C
THEORY					
XEE301	Mathematics – III	3	1	0	4
XEE302	Electromagnetic Field Theory	3	1	0	4
XEE303	Electrical Machines - I	3	1	0	4
XEE304	Electronic Circuits	3	1	0	4
XEE305	Professional Ethics and Human values (EEE)	3	0	0	3
XEE306	Applied Thermodynamics	3	1	0	4
PRACTICAL					
XEE307	Electrical Machines Lab - I	0	0	3	2
XEE308	Electronic Devices and Circuits Lab	0	0	3	2

Total Hours: 29**Total Credits: 27****SEMESTER IV**

Code No.	Course Title	L	T	P	C
THEORY					
XEE401	Numerical Methods	3	1	0	4
XEE402	Environmental Science and Engineering	3	0	0	3
XEE403	Electrical Machines – II	3	1	0	4
XEE404	Transmission & Distribution	3	1	0	4
XEE405	Control Systems	3	1	0	4
XEE406	Object oriented Programming	3	1	0	4
PRACTICAL					
XEE407	Electrical Machines Lab – II	0	0	3	2
XEE408	Object oriented Programming Lab	0	0	3	2

Total Hours: 29**Total Credits: 27**

SEMESTER V

Code No.	Course Title	L	T	P	C
THEORY					
XEE501	Power Electronics	3	1	0	4
XEE502	Communication Engineering	3	0	0	4
XEE503	Protection & Switchgear	3	1	0	4
XEE504	Measurements and Instruments	3	0	0	4
XEE505	Digital Logic Circuits	3	1	0	4
XEE506	Linear Integrated Circuits	3	0	0	4
PRACTICAL					
XEE507	Power Electronics Lab	0	0	3	2
XEE508	Control Systems Lab	0	0	3	2

Total Hours: 27**Total Credits: 28****SEMESTER VI**

Code No.	Course Title	L	T	P	C
THEORY					
XEE601	Solid State Drives	3	0	0	4
XEE602	Power System Analysis	3	1	0	4
XEE603	Total Quality Management	3	0	0	3
XEE604	Digital Signal Processing	3	1	0	4
XEE605	Microprocessors & Micro controllers	3	1	0	4
XEEE**	Elective –I	3	0	0	3
PRACTICAL					
XEE607	Linear Integrated Circuits and Microprocessors & Micro controllers Lab	0	0	3	2
XEE608	Measurements & Instruments Lab	0	0	3	2

Total Hours: 27**Total Credits: 26**

SEMESTER VII

Code No.	Course title	L	T	P	C
THEORY					
XEE701	Social Engineering	3	0	0	3
XEE702	High Voltage Engineering	3	0	0	3
XEE703	Design of Electrical Apparatus	3	1	0	4
XEE704	Power System Operation and Control	3	1	0	4
XEE705	Elective – II	3	0	0	3
XEEE**	Elective – III	3	0	0	3
PRACTICAL					
XEE707	Power System Simulation Lab	0	0	3	2
XEE708	Mini Project (Hardware only)	0	0	4	4

Total Hours: 27**Total Credits: 26****SEMESTER VIII**

Code No.	Course Title	L	T	P	C
THEORY					
XEE801	Entrepreneurial Development Management	3	0	0	3
XEEE**	Elective – IV	3	0	0	3
XEEE**	Elective – V	3	0	0	3
PRACTICAL					
XEE804	Project Work	0	0	20	12

Total Hours: 32**Total Credits: 21****Over all Credits: 209**

LIST OF ELECTIVES

**ELECTIVE CODE	Course Title	L	T	P	C
XEEE51	Fibre Optics and Laser Instruments	3	0	0	3
XEEE52	Visual Languages and Applications	3	0	0	3
XEEE53	Advanced Control System	3	0	0	3
XEEE54	Control and Maintenance of Electrical Machines	3	0	0	3
XEEE55	Special Electrical Machines	3	0	0	3
XEEE56	Bio-Medical Instrumentation	3	0	0	3
XEEE57	Artificial Intelligence and Expert Systems	3	0	0	3
XEEE58	Internetworking Technology	3	0	0	3
XEEE59	Power System Dynamics	3	0	0	3
XEEE60	Computer Architecture	3	0	0	3
XEEE61	Power Plant Engineering	3	0	0	3
XEEE62	Power System Transients	3	0	0	3
XEEE63	Data Communication and Networks	3	0	0	3
XEEE64	Embedded System Design	3	0	0	3
XEEE65	Mobile Communication	3	0	0	3
XEEE66	Operations Research	3	0	0	3
XEEE67	VLSI Design	3	0	0	3
XEEE68	Neural Network and Fuzzy Logic Control	3	0	0	3
XEEE69	Electric Energy Generation, Utilization and Conservation	3	0	0	3
XEEE70	Non – Conventional Energy Sources	3	0	0	3